

---

**From:** Mason, Steve  
**Sent:** Tuesday, August 29, 2017 1:59 PM  
**To:** travis.grigg@hq.dhs.gov  
**Subject:** Texas Tier II Form for Arkema, Crosby TX  
**Attachments:** arkema\_Crosby Eastgate Rd Tier II Report.pdf

*With Regards, Steve*



Stephen Mason  
EPA Region 6 (BSF-PE)  
1445 Ross Avenue, Dallas, TX 75202  
214-865-2276  
[mason.steve@epa.gov](mailto:mason.steve@epa.gov)

"Frequently, my thoughts get bored and walk down to my mouth. Often, this is a bad thing."

---

**From:** Mason, Steve  
**Sent:** Tuesday, August 29, 2017 1:56 PM  
**To:** 'Gray, Bryan'  
**Subject:** RE: Test..

Here you go

*With Regards, Steve*



Stephen Mason  
EPA Region 6 (BSF-PE)  
1445 Ross Avenue, Dallas, TX 75202  
214-865-2276  
[mason.steve@epa.gov](mailto:mason.steve@epa.gov)

"Frequently, my thoughts get bored and walk down to my mouth. Often, this is a bad thing."

---

**From:** Gray, Bryan [<mailto:bryan.gray@hq.dhs.gov>]  
**Sent:** Tuesday, August 29, 2017 1:54 PM  
**To:** Mason, Steve <[mason.steve@epa.gov](mailto:mason.steve@epa.gov)>  
**Subject:** Test..

Respectfully,

*Bryan*

Bryan Gray  
Protective Security Advisor  
U.S. Department of Homeland Security  
Office of Infrastructure Protection  
Protective Security Coordination Division  
North Texas District

Cell: 202-597-4517

[Bryan.Gray@hq.dhs.gov](mailto:Bryan.Gray@hq.dhs.gov)



(U) Warning: This document is UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO). It contains information that may be exempt from public release under the Freedom of Information Act (5 U.S.C. 552). It is to be controlled, stored, handled, transmitted, distributed, and disposed of in accordance with DHS policy relating to FOUO information and is not to be released to the public, the media, or other personnel who do not have a valid need-to-know without prior approval of an authorized DHS official. State and local homeland security officials may share this document with authorized security personnel without further approval from DHS.

For free tools and resources visit: <https://www.dhs.gov/hometown-security>

To report suspicious activity in Texas, go to: <https://iwatchtx.org>

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 1

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

\*\*\*\*\*  
\*\*\*\*\*

**FACILITY IDENTIFICATION:**

ARKEMA Inc  
Dept: HES  
18000 Crosby Eastgate Rd.  
Crosby, TX 77532 USA  
County: Harris  
Latitude: 29.9494  
Longitude: -95.0225  
Facility Phone: 2813289447

☐ All facility information (not including chemical information) is identical to last year's submission

**IDENTIFICATION NUMBERS:**

Dun & Bradstreet: 622121697  
NAICS: 325199 (All Other Basic Organic Chemical Manufacturing)  
RMP: 100000124457  
SIC: 2869 (INDUST. ORGANIC CHEMICALS NEC)  
TRI: 77532PNNWL18000

Is the facility manned? ☒ Manned ☐ Unmanned

Maximum No. of Occupants: 55

**REGULATORY INFORMATION:**

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? ☒ Yes ☐ No  
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? ☒ Yes ☐ No

**CONTACT INFORMATION:**

Hervey, Carolyn

Title: Environmental Engineer Contact Type 1: Submitter Contact Type 2: Tier II Information Contact

Address: 18000 Crosby Eastgate Rd, Crosby, TX, 77532 USA

Phones: Work: 281-328-9430 24-hour: 281-328-9447

Email: carolyn.hervey@arkema.com

Heldt, Mark

Title: Regional Director of Manufacturing for Functional Additives Contact Type 1: Owner / Operator

Address: 18000 Crosby Eastgate Rd., Crosby, TX, 77532 USA

Phones: Work: (281) 328-9443

Email: mark.heldt@arkma.com

Dorsey, Stacy

Title: HSE Manager Contact Type 1: Fac. Emergency Coordinator Contact Type 2: Emergency Contact

Address: 18000 Crosby Eastgate Road, Crosby, TX, 77532 USA

Phones: Work: 281-328-9422 24-hour: 281-328-9447

Email: stacy.dorsey@arkema.com

**CHEMICAL DESCRIPTIONS:**

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 2

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

---

CHEM NAME: 2-Ethylhexylanoyl Chloride Undist.

CAS: 760-67-8 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 80440 pounds Max Daily Amt code: 09 (75,000 - 99,999 pounds)

Avg Amt: 12560 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-26

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

Process Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

---

CHEM NAME: 2-METHYL PROPENE (ISOBUTYLENE)

CAS: 115-11-7 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 123300 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 28413 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location:

30-T-71 Amount:

Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location:

MPU PROCESS Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

---

CHEM NAME: 2-METHYL-2-BUTENE (ISOAMYLENE)

CAS: 26760-64-5 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas

PHYSICAL & HEALTH HAZARDS:

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 3

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 131549 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 26865 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Tank inside building Pressure: Greater than ambient pressure Temp: Ambient temperature Location:

MPU PROCESS Amount:

Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location:

4-T-26A Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: ACETIC ACID 84%

CAS: 64-19-7 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: , Component: ACETIC ACID07, 80% Wt, Max Amt code:

☐ EHS, CAS: , Component: Water, 20% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 72124 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Amt: 35357 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-39

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: ACETONE

CAS: 67-64-1 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☒ Below Reporting Thresholds

Max Amt: 2555 pounds Max Daily Amt code: 04 (1,000 - 4,999 pounds)

Avg Amt: 2007 pounds Avg Daily Amt code: 04 (1,000 - 4,999 pounds)

No. of days on-site: 365

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 4

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 4-T-74

Amount:

Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING 23

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: BENZOYL CHLORIDE

CAS: 98-88-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 119966 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 22609 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-20

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: CALCIUM CHLORIDE WITH BRINEHIB CORROSION INHIBITOR

CAS: 10043-52-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 10043-52-4, Component: CALCIUM CHLORIDE, 38.5% Wt, Max Amt code:

☐ EHS, CAS: 7732-18-5, Component: WATER, 60% Wt, Max Amt code:

☐ EHS, CAS: , Component: BRINEHIB CORROSION INHIBITOR, 1.5% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

**INVENTORY:**

☒ Below Reporting Thresholds

Max Amt: 370000 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 1014 pounds Avg Daily Amt code: 04 (1,000 - 4,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog Location:

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 5

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

30-T-72 Amount:

Container Type: Other Pressure: Greater than ambient pressure Temp: Less than ambient temp. / not cryog Location:

MPU PROCESS Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: CHLORINE

CAS: 7782-50-5 EHS: Yes

☒ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas

CHEMICAL COMPONENTS:

☒ EHS, CAS: 7782-50-5, Component: Chlorine, 100% Wt, Max Amt code: 02 (100 - 499 pounds)

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☒ Below Reporting Thresholds

Max Amt: 500 pounds Max Daily Amt code: 03 (500 - 999 pounds)

Avg Amt: 450 pounds Avg Daily Amt code: 02 (100 - 499 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: BUILDING

5 Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: DIATOMACEOUS EARTH (SILICA)

CAS: 68855-54-9 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 39150 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 653 pounds Avg Daily Amt code: 03 (500 - 999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING 14 Amount:

Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING 41 Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: DIESEL

CAS: 68476-34-6 EHS: No

☒ Identical to previous year

Tier Two  
Emergency and Hazardous Chemical Inventory  
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2016

Page 6

Printed: August 29, 2017

Facility Name: ARKEMA Inc

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

☒ Below Reporting Thresholds

Max Amt: 37759 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 18879 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 26-T-2  
Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 26-T-3  
Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 26-T-5  
Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location:

EMERGENCY GENERATOR DAY TANKS THROUGHOUT FACILITY Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: DIMETHYLHEXANEDIOL

CAS: 110-03-2 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 247757 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 57474 pounds Avg Daily Amt code: 08 (50,000 - 74,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:  
30-T-61 A/B Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Greater than ambient temperature Location:

MPU PROCESS Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: HYDROGEN PEROXIDE, 70%

CAS: 7722-84-1 EHS: Yes

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

CHEMICAL COMPONENTS:

☒ EHS, CAS: 7722-84-1, Component: HYDROGEN PEROXIDE, 70% Wt, Max Amt code: 10 (100,000 - 499,999 pounds)

☐ EHS, CAS: 7732-18-5, Component: WATER, 30% Wt, Max Amt code:



**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 7

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 185650 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 33468 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 30-T-63

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 10, LUPEROX 10M75) T-BUTYL PEROXYNEODECANOATE/75% IN OMS

CAS: 26748-41-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 26748-41-4, Component: T-BUTYL PEROXYNEODECANOATE, 75% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: ODORLESS MINERAL SPIRITS, 25% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 382123 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 89023 pounds Avg Daily Amt code: 09 (75,000 - 99,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 7 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 40 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 27 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 101, 101MO32, 101M45, 101MO50) 2,5 DIMETHYL-2,5 DI(T-BUTYL PEROXY)HEXANE

CAS: 78-63-7 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 78-63-7, Component: 2,5 DIMETHYL-2,5 DI(T-BUTYL PEROXY)HEXANE, 32% Wt, Max Amt code:

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 8

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☐ EHS, CAS: 8042-47-5, Component: MINERAL OIL, 68% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 308902 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 25266 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 11M45 LUPEROX 11M75) T-BUTYL PEROXYPIVALATE, 45% AND 75% IN OMS

CAS: 927-07-1 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 927-07-1, Component: T-BUTYL PEROXYPIVALATE, 45% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: ODORLESS MINERAL SPIRITS, 55% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 161787 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 28425 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 2 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 3 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 40 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 7 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 188M75) ALPHA-CUMYL PEROXYNEODECANOATE 75% IN OMS

CAS: 26748-47-0 EHS: No

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 9

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

- ☐ Identical to previous year  
☐ TRADE SECRET  
☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

- ☐ EHS, CAS: 26748-47-0, Component: ALPHA-CUMYL PEROXYNEODECANOATE, 75% Wt, Max Amt code:  
☐ EHS, CAS: 64742-48-9, Component: ODORLESS MINERAL SPIRITS, 25% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

- ☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

- ☐ Below Reporting Thresholds  
Max Amt: 254351 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)  
Avg Amt: 46725 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)  
No. of days on-site: 365

**STORAGE LOCATIONS:**

- ☐ Confidential  
Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 27 Amount:

- Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (Luperox 223, Luperox 223M75S, Luperox 223V75, Luperox 223M75) Di-2-Ethylhexyl Peroxydicarbonate, >77-100%

CAS: 16111-62-9 EHS: No

- ☐ Identical to previous year  
☐ TRADE SECRET  
☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 16111-62-9, Component: BIS(2-ETHYLHEXYL) ESTER PEROXYDICARBONIC ACID (= <75%), 75% Wt, Max Amt code:

☐ EHS, CAS: , Component: BALANCE CONTAINS EITHER NAPHTHA (PETROLEUM), HYDROTREATED HEAVY, NAPHTHA (PETROLEUM) HEAVY ALKYLATE, OR PROPRIETARY DILUENT (LESS THAN 25%), 25% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

- ☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

- ☐ Below Reporting Thresholds  
Max Amt: 145569 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)  
Avg Amt: 55945 pounds Avg Daily Amt code: 08 (50,000 - 74,999 pounds)  
No. of days on-site: 365

**STORAGE LOCATIONS:**

- ☐ Confidential  
Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Cryogenic conditions Location: Building 27

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 225, LUPEROX 225S, LUPEROX 225M60) Di-Sec-Butylperoxydicarbonate, 52-100%

CAS: 19910-65-7 EHS: No

- ☐ Identical to previous year  
☐ TRADE SECRET  
☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 10

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 19910-65-7, Component: PEROXYDICARBONIC ACID, BIS(1-METHYLPROPYL)ESTER, 97% Wt, Max Amt code:

☐ EHS, CAS: , Component: BALANCE CAN BE EITHER NAPHTHA (PETROLEUM) HYDROTREATED HEAVY, NAPHTHA (PETROLEUM) HEAVY ALKYLATE, OR HYDROPEROXIDE, 1,1-DIMETHYLETHYL., % , Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 28100 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 5513 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Cryogenic conditions Location: BUILDING

27 Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 256) 2,5-DIMETHYL-2,5-DI-(2-ETHYLHEXANOYLPEROXY) HEXANE

CAS: 13052-09-0 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 27618 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 16275 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 26, LUPEROX 26M50) T-BUTYL PEROCTOATE/90% AND 50% IN OMS

CAS: 3006-82-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 3006-82-4, Component: T-BUTYL PEROCTOATE, 50% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: ODORLESS MINERAL SPIRITS, 50% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 11

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☒ Below Reporting Thresholds

Max Amt: 141576 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 83757 pounds Avg Daily Amt code: 09 (75,000 - 99,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (Luperox 270) Tert-Butyl Peroxy-3,5,5-Trimethylhexanoate, >32-100%

CAS: 13122-84-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 13122-18-4, Component: Luperox 270, 99.9% Wt, Max Amt code:

☐ EHS, CAS: 75-91-2, Component: Hydroperoxide, 1,1-dimethylethyl, .01% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 37822 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 3160 pounds Avg Daily Amt code: 04 (1,000 - 4,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: Building 21 Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX 546M75) T-AMYL-PEROXYNEODECANOATE 75% IN OMS

CAS: 68299-16-1 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 68299-16-1, Component: T-AMYL-PEROXYNEODECANOATE, 75% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: ODORLESS MINERAL SPIRITS, 25% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 134505 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 24710 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 12

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

---

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: BUILDING 13    Amount:

Container Type: Tank inside building    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS    Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

-----

CHEM NAME: (LUPEROX 554M75) TERT-AMYL PERPIVALATE 75% IN OMS

CAS: 29240-17-3    EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure    ☒ Mix    ☐ Solid    ☒ Liquid    ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 29240-17-3, Component: Tert-Amyl Perpivalate, 75% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: Odorless Mineral Spirits, 25% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire    ☐ Sudden Release of Pressure    ☒ Reactivity    ☒ Immediate (acute)    ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 45690 pounds    Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 14203 pounds    Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: Building 2    Amount:

Container Type: Plastic bottles or jugs    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: Building 3    Amount:

Container Type: Plastic bottles or jugs    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: Building 40    Amount:

Container Type: Plastic bottles or jugs    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: Building 7    Amount:

Container Type: Tank inside building    Pressure: Ambient pressure    Temp: Less than ambient temp. / not cryog

Location: MPU Process    Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

-----

CHEM NAME: (LUPEROX 575, 575M75) T-AMYL PEROXY(2-ETHYLHEXANOATE) 75% IN OMS

CAS: 686-31-7    EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure    ☒ Mix    ☐ Solid    ☒ Liquid    ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 686-31-7, Component: T-AMYL PEROXY(2-ETHYLHEXANOATE), 75% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: ODORLESS MINERAL SPIRITS, 25% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire    ☐ Sudden Release of Pressure    ☒ Reactivity    ☒ Immediate (acute)    ☐ Delayed (chronic)

**INVENTORY:**

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 13

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☐ Below Reporting Thresholds

Max Amt: 140645 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 32652 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (Luperox 7M50) Tert-Butyl Peroxyacetate >32-52%

CAS: EHS: No

☒ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 107-71-1, Component: Ethaneperoxyic acid, 1,1-dimethylethyl ester, 51% Wt, Max Amt code:

☐ EHS, CAS: 64742-48-9, Component: Naphtha (Petroleum), hydrotreated heavy, 24.4% Wt, Max Amt code:

☐ EHS, CAS: 64741-65-7, Component: Naphtha (Petroleum), heavy alkylate, 24.4% Wt, Max Amt code:

☐ EHS, CAS: 75-91-2, Component: Hydroperoxide, 1,1-dimethylethyl, 0.2% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 48967 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 8890 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: Building 21 Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (Luperox A75, Luperox A98) Dibenzoyl Peroxide, <77%

CAS: 94-36-0 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 94-36-0, Component: Dibenzoyl Peroxide, 77% Wt, Max Amt code:

☐ EHS, CAS: 7732-18-5, Component: Water, 23% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 19175 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)

Avg Amt: 588 pounds Avg Daily Amt code: 03 (500 - 999 pounds)

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 14

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs    Pressure: Ambient pressure    Temp: Ambient temperature    Location: Building 1

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (Luperox CU80) CUMENE HYDROPEROXIDE

CAS: 80-15-9    EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure   ☒ Mix   ☐ Solid   ☒ Liquid   ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 98-86-2, Component: ACETOPHENONE, .5% Wt, Max Amt code:

☐ EHS, CAS: 98-82-8, Component: CUMENE, 5% Wt, Max Amt code:

☐ EHS, CAS: 80-15-9, Component: CUMENE HYDROPEROXIDE, 90% Wt, Max Amt code:

☐ EHS, CAS: 617-94-7, Component: DIMETHYL BENZYL ALCOHOL, 4.5% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire   ☐ Sudden Release of Pressure   ☒ Reactivity   ☒ Immediate (acute)   ☒ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 334472 pounds    Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 77762 pounds    Avg Daily Amt code: 09 (75,000 - 99,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum    Pressure: Ambient pressure    Temp: Ambient temperature    Location:

BUILDING 10 DRUM PAD    Amount:

Container Type: Above ground tank    Pressure: Ambient pressure    Temp: Ambient temperature    Location: MPU

PROCESS    Amount:

Container Type: Above ground tank    Pressure: Ambient pressure    Temp: Ambient temperature    Location: 17-T-64

Amount:

Container Type: Tote bin    Pressure: Ambient pressure    Temp: Ambient temperature    Location: CPU Packout

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX DDM-9, LUPEROX DHD-9, LUPEROX DELTA X-9) Methyl Ethyl Ketone Peroxide (S), <45%

CAS:    EHS: Yes

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure   ☒ Mix   ☐ Solid   ☒ Liquid   ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 6846-50-0, Component: Propanoic acid, 2-methyl-, 2,2 dimethyl-1-(1-methylethyl)-1,3-propanediyl ester, 58% Wt, Max Amt code:

☐ EHS, CAS: 1338-23-4, Component: 2-Butanone, peroxide, 30% Wt, Max Amt code:

☐ EHS, CAS: 7722-84-1, Component: Hydrogen Peroxide, 1% Wt, Max Amt code:

☐ EHS, CAS: 78-93-3, Component: 2-Butanone, 2% Wt, Max Amt code:

☐ EHS, CAS: , Component: Balance can contain either 2,4-pentanediol, 2-methyl; 1-Butanamine, N,N-dibutyl; water; or proprietary component., % , Max Amt code:



**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 15

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 16928 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)

Avg Amt: 50 pounds Avg Daily Amt code: 01 (0 - 99 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Building 1

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX DI) DI-T-BUTYL PEROXIDE

CAS: 110-05-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 265277 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 36543 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location:

BUILDING 1 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location:

BUILDING1 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: Luperox DIBHP

CAS: EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 98-49-7, Component: Hydroperoxide, 1-methyl-1-[4-(1-methylethyl)phenyl]ethyl, 60% Wt, Max Amt code:

☐ EHS, CAS: 100-18-5, Component: 1,4-diisopropylbenzene, 28% Wt, Max Amt code:

☐ EHS, CAS: , Component: Hydroperoxide and carbinol peroxide dimers, 4% Wt, Max Amt code:

☐ EHS, CAS: 3445-42-9, Component: Benzenemethanol, .alpha.,.alpha.-dimethyl-4-(1-methylethyl)-, 2% Wt, Max Amt code:

☐ EHS, CAS: 2948-46-1, Component: 1,4-Benzenedimethanol, .alpha.,.alpha.,.alpha.,.alpha.-tetramethyl-, 3% Wt, Max Amt

code:

☐ EHS, CAS: 2948-45-0, Component: Benzenemethanol, 4-(1-hydroperoxy-1-methylethyl)-a,a-dimethyl-, 2% Wt, Max Amt

code:

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 16

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☐ EHS, CAS: 7732-18-5, Component: Water, 1% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 37088 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 24314 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Building 21

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX DTA) DI-T-AMYL PEROXIDE

CAS: 10508-09-5 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 148828 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 24117 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location:

**BUILDING 1** Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING

**1** Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

**PROCESS** Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (Luperox EZ Breaker 200G, 230G)

CAS: EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 7732-18-5, Component: Water, 95% Wt, Max Amt code:

☐ EHS, CAS: , Component: Remaining balance is a proprietary viscosity modifier, 5% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 52334 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 17

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

Avg Amt: 44360 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Building 21

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX P, LUPEROX PAR70) T-BUTYL PEROXYBENZOATE/70% IN AROMATIC 100

CAS: 614-45-9 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 614-45-9, Component: T-BUTYL PEROXYBENZOATE/, 70% Wt, Max Amt code:

☐ EHS, CAS: 64742-95-6, Component: AROMATIC 100 , 30% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 220094 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 94595 pounds Avg Daily Amt code: 09 (75,000 - 99,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: BUILDING 21 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Less than ambient temp. / not cryog

Location: MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (LUPEROX TAH75, TAH75) T-AMYL HYDROPEROXIDE 75% IN WATER

CAS: 3425-61-4 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 3425-61-4, Component: T-AMYL HYDROPEROXIDE, 75% Wt, Max Amt code:

☐ EHS, CAS: 7732-18-5, Component: WATER, 15% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 388256 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 155052 pounds Avg Daily Amt code: 10 (100,000 - 499,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 18

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☐ Confidential  
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 4-T-51  
Amount:  
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING 1  
Amount:  
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING 41  
Amount:  
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU  
PROCESS Amount:  
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-29  
Amount:  
CHEMICALS IN INVENTORY STATE FIELDS:  
No additional chemical information is required by Texas  
-----

CHEM NAME: MONOSODIUM PHOSPHATE (G-SALT)

CAS: 7558-80-7 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 88900 pounds Max Daily Amt code: 09 (75,000 - 99,999 pounds)

Avg Amt: 41925 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: BPU Warehouse Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

Process Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas  
-----

CHEM NAME: NEODECANOYL CHLORIDE

CAS: 40292-82-8 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 106716 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 33120 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-22

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 19

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

PROCESS Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: NITROGEN

CAS: 7727-37-9 EHS: No

☒ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 22063 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)

Avg Amt: 788 pounds Avg Daily Amt code: 03 (500 - 999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Less than ambient temp. / not

cryog Location: 16-T-N2 Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: ODORLESS MINERAL SPIRITS

CAS: 64742-48-9 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 79564 pounds Max Daily Amt code: 09 (75,000 - 99,999 pounds)

Avg Amt: 28652 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 30-T-68

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-37

Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-18

Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: PI-2006

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 20

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

CAS: EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 7732-18-5, Component: Water, 85% Wt, Max Amt code:

☐ EHS, CAS: , Component: Balance is a proprietary activator, 15% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 28012 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 28003 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Building 4

Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: PIVALOYL CHLORIDE

CAS: 3282-30-2 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 73334 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Amt: 37270 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-24

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: POTASSIUM HYDROXIDE 45%

CAS: 1310-58-3 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: , Component: WATER, 55% Wt, Max Amt code:

☐ EHS, CAS: , Component: Potassium Hydroperoxide, 45% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 21

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 155078 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 36374 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:  
30-T-66 Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:  
17-T-31 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU  
PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: R 22 (METHANE, CHLORODIFLUORO-)

CAS: 75-45-6 EHS: No

☒ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 18300 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)

Avg Amt: 654 pounds Avg Daily Amt code: 03 (500 - 999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Other Pressure: Less than ambient pressure Temp: Less than ambient temp. / not cryog Location:  
30-R-1 COMPRESSOR Amount:

Container Type: Cylinder Pressure: Ambient pressure Temp: Ambient temperature Location: MAINTENANCE SHOP  
Amount:

Container Type: Other Pressure: Less than ambient pressure Temp: Less than ambient temp. / not cryog Location:  
Refrigeration Units within Facility Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: SODIUM HYDROXIDE

CAS: 1310-73-2 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: , Component: Water, % , Max Amt code:

☐ EHS, CAS: 1310-73-2, Component: Sodium Hydroxide, % , Max Amt code:

☐ EHS, CAS: 7647-14-5, Component: Sodium Chloride, % , Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

Tier Two  
Emergency and Hazardous Chemical Inventory  
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2016

Page 22

Printed: August 29, 2017

Facility Name: ARKEMA Inc

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 297917 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 94366 pounds Avg Daily Amt code: 09 (75,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:  
17-T-30 Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:  
30-T-64 Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:  
14-T-21 Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU  
PROCESS Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: Sodium Sulfate

CAS: 7757-82-6 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 25565 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 11351 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

☐ Confidential

Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: BPU Warehouse Amount:  
Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: MPU Dry Storage

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU  
Process Amount:

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: SODIUM SULFITE ANHYDROUS

CAS: 7757-83-7 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

☐ Below Reporting Thresholds

Max Amt: 57557 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Amt: 33249 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)



**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 23

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: BPU Warehouse Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

Process Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: SPENT SULFURIC ACID

CAS: 7664-93-9 EHS: Yes

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☒ EHS, CAS: 7664-93-9, Component: SULFURIC ACID, 50% Wt, Max Amt code: 01 (0 - 99 pounds)

☐ EHS, CAS: 7732-18-5, Component: WATER, 40% Wt, Max Amt code:

☐ EHS, CAS: , Component: MISC ORGANIC PEROXIDES (BALANCE), % , Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 1006020 pounds Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)

Avg Amt: 33534 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 14-T-81

Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 30-T-65

Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 30-T-37

Amount:

Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: TT-188 Amount:

Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: TT-796 Amount:

Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: TT-1294 Amount:

Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: TT-493 Amount:

Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: TT-380 Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: SULFUR DIOXIDE

CAS: 7446-09-5 EHS: Yes

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 72633 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 24

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

Avg Amt: 9122 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location:  
17-T-19 Amount:

Container Type: Tank inside building Pressure: Greater than ambient pressure Temp: Ambient temperature Location:  
MPU PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: SULFURIC ACID

CAS: 7664-93-9 EHS: Yes

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☒ EHS, CAS: 7664-93-9, Component: SULFURIC ACID, 93% Wt, Max Amt code: 10 (100,000 - 499,999 pounds)

☐ EHS, CAS: 7732-18-5, Component: WATER, 7% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 393841 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 119618 pounds Avg Daily Amt code: 10 (100,000 - 499,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 30-T-69  
Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 30-T-60  
Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU  
PROCESS Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: (TBHP, LUPEROX TBH70) TERT-BUTYL HYDROPEROXIDE

CAS: 75-91-2 EHS: No

☒ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas

**CHEMICAL COMPONENTS:**

☐ EHS, CAS: 75-91-2, Component: TERT-BUTYL HYDROPEROXIDE, 70% Wt, Max Amt code:

☐ EHS, CAS: 7732-18-5, Component: WATER, 30% Wt, Max Amt code:

**PHYSICAL & HEALTH HAZARDS:**

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 582125 pounds Max Daily Amt code: 11 (500,000 - 999,999 pounds)

Avg Amt: 257276 pounds Avg Daily Amt code: 10 (100,000 - 499,999 pounds)

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
**Specific Information by Chemical**

Reporting Period: January 1 to December 31, 2016

Page 25

Printed: August 29, 2017

**Facility Name:** ARKEMA Inc

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 4-t-68

Amount:

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: 17-T-28

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

PROCESS Amount:

Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING 41

Amount:

Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: BUILDING

21 Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

CHEM NAME: WHITE MINERAL OIL (DRAKEOL)

CAS: 8042-47-5 EHS: No

☐ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas

**PHYSICAL & HEALTH HAZARDS:**

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)

**INVENTORY:**

☐ Below Reporting Thresholds

Max Amt: 28000 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)

Avg Amt: 28000 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)

No. of days on-site: 365

**STORAGE LOCATIONS:**

☐ Confidential

Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Building 10

Amount:

Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: MPU

Process Amount:

**CHEMICALS IN INVENTORY STATE FIELDS:**

No additional chemical information is required by Texas

**FACILITY STATE FIELDS:**

Texas requests the following:

☐ Initial

☐ Updated

☒ Annual

TXT2 Number:: 67446

TCEQ Regulated Entity Number (RN): RN100210301

During this reporting year, was this facility sold to another company, or did it close operations or discontinue storing reportable quantities of hazardous substances?: No

TCEQ Customer Number (CN): CN600124044

STATE / LOCAL FEES: \$200

**Tier Two**  
**Emergency and Hazardous Chemical Inventory**  
***Specific Information by Chemical***

Reporting Period: January 1 to December 31, 2016

Page 26

Printed: August 29, 2017

---

**Facility Name:** ARKEMA Inc

---

- ☒ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of dikes and other safeguard measures

**ATTACHMENTS**

Arkema Inc. Crosby Facility Plot Plan for Tier II.pdf

Arkema Inc. Crosby Facility Plot Plan for Tier II (2016).pdf

**Certification (Read and sign after completing all sections)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 26,  
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Mark Heldt

3/1/2017

Name and official title of owner/operator  
OR owner/operator's authorized representative

Signature

Date signed